

100 μ l of the PCR solution containing 10 μ l of 10 x PCR Gold Buffer II, 1.5mM $MgCl_2$, 0.08mM dNTPs (dATP, dGTP, dCTP, dTTP), 5 units of DNA-polymerase AmpliTag Gold (all by PERKIN ELMER) and each 2.5 pmole of each synthesized oligonucleotide (12B5VH-1 to -4) was heated at 94°C of the initial temperature for 9 minutes, at 94°C for 2 minutes at 55°C for 2 minutes and 72°C for 2 minutes. After repeating the cycle two times each 100 pmole of external primer 12B5VH-S and 12B5VH-A was added. The mixture was subjected to the cycle consisting of at 94°C for 30 seconds, at 55°C for 30 seconds and 72°C for 1 minute 35 times and heated at 72°C for further 5 minutes.

IN THE CLAIMS:

In accordance with 37 C.F.R. § 1.121, please substitute for original claims 3 – 9, 11 – 17, and 22, the following rewritten version of the same claims, as amended. The changes are shown explicitly in the attached "Version With Markings to Show Changes Made".

3. (Amended) The modified antibody of claim 1, wherein the linker comprises at least one amino acid.

4. (Amended) The modified antibody of claim 1, wherein the modified monoclonal antibody is a dimer of single chain Fv comprising an H chain V region and an L chain V region.

5. (Amended) The modified antibody of claim 1, wherein the modified antibody is a single chain polypeptide comprising two H chain V regions and two L chain V regions.

6. (Amended) The modified antibody of claim 1, wherein the modified antibody further comprises an amino acid sequence(s) for peptide purification.

7. (Amended) The modified antibody of claim 1, wherein the modified antibody has been purified.

8. (Amended) The modified antibody of 1, wherein H chain V region and/or L chain V region is humanized H chain V region and/or L chain V region.